AMENDMENTS IN THE CLAIMS

1.   (Currently Amended)   [[A]] In a batch simulation farm environment that facilitates computer-aided simulation of hardware design, a method for minimizing redundancy in collected harvest event testcases ~~from a batch simulation farm which includes a harvest testcase server that collects simulation data for a simulation model from at least one simulation client~~, said method comprising:

executing a testcase on [[said]] a simulation model ~~within a simulation client~~;

identifying harvest events triggered during said testcase execution;

~~responsive to said testcase triggering a harvest event,~~ comparing said identified harvest events with a list of harvest events that have previously been triggered within said simulation model to determine whether previous occurrences of the identified harvest events have been recorded in association with the simulation model; and

responsive to determining that previous occurrences of said identified harvest events [[has]] have not been ~~previously triggered within~~ recorded in association with said simulation model, delivering a copy of said testcase to [[said]] a harvest testcase ~~server~~ bucket.

2.   (Currently Amended)   The method of claim 1, wherein said simulation batch farm includes a harvest testcase server that collects simulation data for a simulation model from at least one simulation client, said simulation batch farm further including an instrumentation server that includes a network harvest hit table which records harvest events that have been triggered during testcase simulation of said simulation model, said method further comprising delivering a copy of said network harvest hit table as a local harvest hit table to said at least one simulation client.

3.   (Currently Amended)   The method of claim 2, wherein the triggering of said harvest event results in setting at least one harvest event flag within said simulation model, said method further comprising:

for each testcase executed on said simulation model:

comparing the setting of said at least one harvest event flag with said local harvest hit table to determine whether or not said harvest event has previously been ~~triggered~~ recorded in association with the simulation model.

4.   (Currently Amended) The method of claim 3, wherein said comparing the setting of said at least one harvest event flag with said local harvest hit table is followed by:

responsive to ~~the absence of~~ said harvest event _not being recorded_ within said local harvest hit table, receiving an indication of [[said]] _a_ locally recorded harvest event within said instrumentation server;

comparing the received _indication of a locally recorded_ harvest event with said network harvest hit table to determine whether an interim occurrence of said harvest event has been recorded within said network harvest hit table; and

responsive only to said network harvest hit table not including said received _indication of a locally recorded_ harvest event, recording said harvest event within said network harvest hit table.

5.   (Currently Amended) The method of claim 2, wherein said delivering said testcase to said _harvest_ testcase server is preceded by:

responsive to determining that said harvest event has not been previously triggered within said simulation model in accordance with said local harvest hit table, determining whether or not an interim occurrence of said harvest event has been recorded in said network harvest hit table; and

responsive only to no interim recordation of said harvest event within said network harvest hit table:

delivering said testcase to said _harvest_ testcase server; and

updating said network harvest hit table to include said harvest event.

6.   (Currently Amended) The method of claim 2, wherein said delivering said testcase to said _harvest_ testcase server is preceded by:

responsive to determining that said harvest event has not been previously triggered within said simulation model in accordance with said local harvest hit table, delivering said harvest event to said ~~instrumention~~ _instrumentation_ server; and

within said instrumentation server:

determining whether or not an interim occurrence of said harvest event has occurred in accordance with said network harvest hit table; and

responsive only to no interim recordation of said harvest event within said network harvest hit table, updating said network harvest hit table to include said harvest event.

7.   (Currently Amended)   [[A]] In a batch simulation farm environment that facilitates computer-aided simulation of hardware design, a system for minimizing redundancy in collected harvest event testcases from a batch simulation farm which includes a harvest testcase server that collects simulation data for a simulation model from at least one simulation client, said system comprising:

processing means for executing a testcase on [[said]] a simulation model within a simulation client;

processing means for identifying harvest events triggered during said testcase execution;

processing means responsive to said testcase triggering a harvest event for comparing said identified harvest events with a list of harvest events that have previously been triggered within said simulation model to determine whether previous occurrences of the identified harvest events have been recorded in association with the simulation model; and

processing means responsive to determining that previous occurrences of said identified harvest events [[has]] have not been previously triggered within recorded in association with said simulation model for delivering a copy of said testcase to [[said]] a harvest testcase server bucket.

8.   (Currently Amended)   The system of claim 7, wherein said simulation batch farm includes a harvest testcase server that collects simulation data for a simulation model from at least one simulation client, said simulation batch farm further including an instrumentation server that includes a network harvest hit table which records harvest events that have been triggered during testcase simulation of said simulation model, said system further comprising processing means for delivering a copy of said network harvest hit table as a local harvest hit table to said at least one simulation client.

9.   (Currently Amended) The system of claim 8, wherein the triggering of said harvest event results in setting at least one harvest event flag within said simulation model, said system further comprising:

for each testcase executed on said simulation model:

processing means for comparing the setting of said at least one harvest event flag with said local harvest hit table to determine whether or not said harvest event has previously been ~~triggered~~ recorded in association with the simulation model.

10.   (Currently Amended) The system of claim 9, further comprising:

processing means responsive to ~~the absence of~~ said harvest event not being recorded within said local harvest hit table for receiving an indication of [[said]] a locally recorded harvest event within said instrumentation server;

processing means for comparing the received indication of a locally recorded harvest event with said network harvest hit table to determine whether an interim occurrence of said harvest event has been recorded within said network harvest hit table; and

processing means responsive only to said network harvest hit table not including said received indication of a locally recorded harvest event for recording said harvest event within said network harvest hit table.

11.   (Currently Amended) The system of claim 8, further comprising:

processing means responsive to determining that said harvest event has not been previously triggered within said simulation model in accordance with said local harvest hit table for determining whether or not an interim occurrence of said harvest event has been recorded in said network harvest hit table; and

processing means for responsive only to no interim recordation of said harvest event within said network harvest hit table for:

delivering said testcase to said harvest testcase server; and

updating said network harvest hit table to include said harvest event.

12.   (Currently Amended) The system of claim 8, further comprising:

processing means responsive to determining that said harvest event has not been previously triggered within said simulation model in accordance with said local harvest hit table for delivering said harvest event to said ~~instrumention~~ instrumentation server; and

processing means within said instrumentation server for:

determining whether or not an interim occurrence of said harvest event has occurred in accordance with said network harvest hit table; and

responsive only to no interim recordation of said harvest event within said network harvest hit table, updating said network harvest hit table to include said harvest event.

13.   (Currently Amended)   ~~A computer program product~~ In a batch simulation farm environment that facilitates computer-aided simulation of hardware design, a computer-readable medium having encoded thereon computer-executable instructions for minimizing redundancy in collected harvest event testcases ~~from a batch simulation farm which includes a harvest testcase server that collects simulation data for a simulation model from at least one simulation client~~, said ~~computer program product~~ computer-executable instructions performing a method comprising:

~~program instructions for~~ executing a testcase on [[said]] a simulation model ~~within a simulation client~~;

identifying harvest events triggered during said testcase execution;

~~program instructions responsive to said testcase triggering a harvest event for~~ comparing said identified harvest events with a list of harvest events that have previously been triggered within said simulation model to determine whether previous occurrences of the identified harvest events have been recorded in association with the simulation model; and

~~program instructions~~ responsive to determining that previous occurrences of said identified harvest events [[has]] have not been ~~previously triggered within~~ recorded in association with said simulation model [[for]], delivering a copy of said testcase to [[said]] a harvest testcase ~~server~~ bucket.

14.   (Currently Amended)   The ~~computer program product~~ computer-readable medium of claim 13, wherein said simulation batch farm includes a harvest testcase server that collects simulation data for a simulation model from at least one simulation client, said simulation batch

farm further including an instrumentation server that includes a network harvest hit table which records harvest events that have been triggered during testcase simulation of said simulation model, said ~~computer program product further comprising program instructions for~~ method further comprising delivering a copy of said network harvest hit table as a local harvest hit table to said at least one simulation client.

15. (Currently Amended) The ~~computer program product~~ computer-readable medium of claim 14, wherein the triggering of said harvest event results in setting at least one harvest event flag within said simulation model, said ~~computer program product~~ method further comprising:

for each testcase executed on said simulation model:

~~program instructions for~~ comparing the setting of said at least one harvest event flag with said local harvest hit table to determine whether or not said harvest event has previously been ~~triggered~~ recorded in association with the simulation model.

16. (Currently Amended) The ~~computer program product~~ computer-readable medium of claim 15, said method further comprising:

~~program instructions~~ responsive to ~~the absence of~~ said harvest event not being recorded within said local harvest hit table [[for]], receiving an indication of [[said]] a locally recorded harvest event within said instrumentation server;

~~program instructions for~~ comparing the received indication of a locally recorded harvest event with said network harvest hit table to determine whether an interim occurrence of said harvest event has been recorded within said network harvest hit table; and

~~program instructions~~ responsive only to said network harvest hit table not including said received indication of a locally recorded harvest event [[for]], recording said harvest event within said network harvest hit table.

17. (Currently Amended) The ~~computer program product~~ computer-readable medium of claim 14, said method further comprising:

~~program instructions~~ responsive to determining that said harvest event has not been previously triggered within said simulation model in accordance with said local harvest hit table

[[for]], determining whether or not an interim occurrence of said harvest event has been recorded in said network harvest hit table; and

~~program instructions for~~ responsive only to no interim recordation of said harvest event within said network harvest hit table [[for]]:

      delivering said testcase to said <u>harvest</u> testcase server; and

      updating said network harvest hit table to include said harvest event.

18.   (Currently Amended)   The ~~computer program product~~ <u>computer-readable medium</u> of claim 14, <u>said method</u> further comprising:

~~program instructions~~ responsive to determining that said harvest event has not been previously triggered within said simulation model in accordance with said local harvest hit table [[for]], delivering said harvest event to said ~~instrumention~~ <u>instrumentation</u> server; and

~~program instructions~~ within said instrumentation server [[for]]:

      determining whether or not an interim occurrence of said harvest event has occurred in accordance with said network harvest hit table; and

      responsive only to no interim recordation of said harvest event within said network harvest hit table, updating said network harvest hit table to include said harvest event.